

Ensinger Hydex™ 202 Rigid Polyurethane (PU)

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Hydex™ 202 is a totally rigid polyurethane resin that exhibits a broad range of chemical resistance, as well as superior impact and excellent mechanical properties. It can be used for any mechanical application that requires a combination of toughness, dimensional stability and chemical resistance. It has an ability to withstand chemical attack in a PH range from 2 to 14.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Hydex-202-Rigid-Polyurethane-PU.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.21 %	0.21 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.2 MPa	8000 psi	ASTM D638
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Tensile Modulus	1.65 GPa	240 ksi	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.22	0.22	SS counter surface
Coefficient of Friction, Static	0.26	0.26	SS counter surface

Thermal Properties	Metric	English	Comments
CTE, linear	66.6 µm/m-°C	37.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	290 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	138 °C	280 °F	ASTM D648
Vicat Softening Point	144 °C	292 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China